SAFETY DATA SHEET
TOKUYAMA REBASE II Liquid

1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>TOKUYAMA REBASE II Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identified uses</td>
<td>Denture Liner, a component of kit. For dental professionals only.</td>
</tr>
<tr>
<td>Supplier</td>
<td>Tokuyama Dental America Inc.</td>
</tr>
<tr>
<td></td>
<td>Tel: (877) 378 3548 (Toll-Free)</td>
</tr>
<tr>
<td>Contact Person</td>
<td><a href="http://www.tokuyama-dental.com/tdc/contact.html">http://www.tokuyama-dental.com/tdc/contact.html</a></td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Tokuyama Dental Corporation</td>
</tr>
<tr>
<td></td>
<td>38-9, Taitou 1-chome, Taitou-ku, Tokyo</td>
</tr>
<tr>
<td></td>
<td>110-0016, Japan</td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>California Poison Control System - San Francisco Division</td>
</tr>
<tr>
<td></td>
<td>San Francisco General Hospital</td>
</tr>
<tr>
<td></td>
<td>Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco</td>
</tr>
<tr>
<td></td>
<td>Emergency telephone number: 1 800 222 1222</td>
</tr>
<tr>
<td></td>
<td>E-mail address: <a href="mailto:coadmin@calpoison.org">coadmin@calpoison.org</a></td>
</tr>
<tr>
<td></td>
<td><a href="http://www.calpoison.org">http://www.calpoison.org</a></td>
</tr>
</tbody>
</table>

*California Poison Control System - San Francisco Division*
San Francisco General Hospital
Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco
Emergency telephone number: 1 800 222 1222
E-mail address: coadmin@calpoison.org
http://www.calpoison.org

*National Capital Poison Center*
3201 New Mexico Ave, Ste 310, Washington DC
Emergency telephone number: 1 800 222 1222
Telephone number: +1 202 362 3867
Facsimile numer: +1 202 362 8377
E-mail address: pc@poison.org
http://www.poison.org

2. HAZARD(S) IDENTIFICATION

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Clear liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>GHS Pictogram</td>
<td></td>
</tr>
</tbody>
</table>

Signal Word  Warning
Hazard Statements
H317 May cause an allergic skin reaction.

Precautionary Statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local regulations.
Contains MEQUINOL
TOKUYAMA REBASE II Liquid

GHS Classification

Physical and Chemical Hazards Not classified.
Human health Skin Sens. 1 - H317
Environment Not classified.

Hazard Not Otherwise Classified (HNOC)
Not applicable.

OSHA Regulatory Status
This Product is Hazardous under the OSHA Hazard Communication Standard.

General Information
Prolonged skin contact may cause redness and irritation. May cause sensitization by skin contact. May cause minor irritation on eye contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETOACETOXYPYETHYL METHACRYLATE</td>
<td>21282-97-3</td>
<td>244-311-1</td>
</tr>
<tr>
<td>MEQUINOL</td>
<td>150-76-5</td>
<td>205-769-8</td>
</tr>
<tr>
<td>NONAMETHYLENDIOL DIMETHACRYLATE</td>
<td>65833-30-9</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of first aid measures

General Information
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation
Move the exposed person to fresh air at once.

Ingestion
Try to induce vomiting. Get medical attention.

Skin Contact
Wash the skin immediately with soap and water.

Eye Contact
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

Most important symptoms and effects, both acute and delayed

Inhalation
Not Irritating.

Skin Contact
Prolonged skin contact may cause redness and irritation. May cause sensitization by skin contact.
**TOKUYAMA REBASE II Liquid**

**Eye Contact**
Slightly irritating.

**Indication of any immediate medical attention and special treatment needed**

**Notes To The Physician**
Treat Symptomatically. Wear suitable protective clothing.

## 5. FIRE-FIGHTING MEASURES

**Auto Ignition Temperature (°C)**
Not available.

**Flammability Limit - Lower(%)**
Not available.

**Flammability Limit - Upper(%)**
Not available.

**Flash point (°C)** 178°C

**Extinguishing Media**
Fire can be extinguished using: Foam. Carbon dioxide or dry powder.

**Specific Hazards**
When heated and in case of fire, irritating vapors/gases may be formed.

**Special Fire Fighting Procedures**
Avoid breathing fire vapors.

**Protective Equipment For Fire-Fighters**
Wear full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Wear protective clothing as described in Section 8 of this material safety data sheet.

**Environmental Precautions**
Avoid discharge into drains, water courses or onto the ground.

**Spill Clean Up Methods**
Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

**Reference to other sections**
For personal protection, see section 8. For waste disposal, see section 13.

## 7. HANDLING AND STORAGE

**Handling**
All handling to take place in well-ventilated area.

**Storage**
Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight, sparks and open flames.

**Storage Class**
Chemical storage.

**Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>STD</th>
<th>TWA (8-hrs)</th>
<th>STEL (15 min)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEQUINOL</td>
<td>ACGIH</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACGIH=American Conference of Governmental Industrial Hygienists.

**Ingredient Comments**
OSHA PELs : No exposure limits noted for ingredient(s).

**Protective Equipment**
**Engineering Measures**
Provide adequate general and local exhaust ventilation.

**Respiratory Equipment**
In case of inadequate ventilation use suitable respirator.

**Hand Protection**
Wear protective gloves.

**Eye Protection**
Wear approved safety goggles.

**Other Protection**
Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene Measures**
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Solubility</td>
<td>No information available.</td>
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<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
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<tr>
<td>Melting point (°C)</td>
<td>Not available.</td>
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<tr>
<td>Relative density</td>
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<tr>
<td>Vapor density (air=1)</td>
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<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
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<tr>
<td>pH-Value, Conc. Solution</td>
<td>Not available.</td>
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<tr>
<td>pH-Value, Diluted Solution</td>
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<tr>
<td>Viscosity</td>
<td>Not available.</td>
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<tr>
<td>Decomposition temperature (°C)</td>
<td>Not available.</td>
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<tr>
<td>Odour Threshold, Lower</td>
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</tr>
<tr>
<td>Odour Threshold, Upper</td>
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<tr>
<td>Flash point</td>
<td>178°C</td>
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<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>Not available.</td>
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<tr>
<td>Flammability Limit - Lower(%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability Limit - Upper(%)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
TOKUYAMA REBASE II Liquid

Partition Coefficient
(N-Octanol/Water)
Not available.

Explosive properties
Not available.

Other Flammability
Not available.

Oxidising properties
Not available.

10. STABILITY AND REACTIVITY

Reactivity
May polymerise.

Stability
Stable under normal temperature conditions and recommended use.

Hazardous reactions:
Not available.

Conditions To Avoid
Keep away from heat, sparks and open flame. Protect against direct sunlight.

Materials To Avoid
Strong oxidizing agents.

Hazardous Decomposition Products
Toxic gases are generated when heated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Not available.

Skin Corrosion/Irritation:
Prolonged and frequent contact may cause redness and irritation.

Serious eye damage/irritation:
Slightly irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation
Not available.

Skin sensitisation
May cause sensitisation by skin contact.

Germ cell mutagenicity:
Not available.

Carcinogenicity:
Not established : IARC, NTP, EU, OSHA, ACGIH

Reproductive Toxicity:
Not available.

Specific target organ toxicity - single exposure:
STOT - Single exposure
Not available.

Specific target organ toxicity - repeated exposure:
STOT - Repeated exposure
Not available.
TOKUYAMA REBASE II Liquid

Aspiration hazard:
Viscosity
Not available.

12. ECOLOGICAL INFORMATION

Toxicity
No data available.
Degradability
No data available.
Bioaccumulative potential
No data available on bioaccumulation.
Partition coefficient
Not available.
Mobility:
No information available.

Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB Substances.

Other adverse effects
Not known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

General
Not regulated.

UN No. (DOT/TDG)  N/A
UN No. (IMDG)  N/A
UN No. (ICAO)  N/A

DOT Proper Shipping Name
Not applicable.

DOT Hazard Class
No classification noted.

DOT Hazard Label
No DOT label requirement noted

IMDG Class
Not applicable.

ICAO Class
Not applicable.

Transport Labels
No transport warning sign required.

DOT Pack Group
Not applicable.

IMDG Pack Group
Not applicable.

Air Pack Group
Not applicable.

Environmentally Hazardous Substance/Marine Pollutant
No.

Special precautions for user
Not available.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes
Not applicable.

15. REGULATORY INFORMATION

Regulatory Status (US)
This Product is Hazardous under the OSHA Hazard Communication Standard.
TOKUYAMA REBASE II Liquid

Regulatory References

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.

CAA Accidental Release Prevention
None of the ingredients are listed.

SARA (311/312) Hazard Categories
Acute
OSHA Highly Hazardous Chemicals
None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed.

California Air Toxics *Hot Spots* (A-I)
None of the ingredients are listed.

California Air Toxics *Hot Spots* (A-II)
None of the ingredients are listed.

Massachusetts "Right To Know" List
The following ingredients are listed.
MEQUINOL

Rhode Island "Right To Know" List
The following ingredients are listed.
MEQUINOL

Minnesota "Right To Know" List
The following ingredients are listed.
MEQUINOL

New Jersey "Right To Know" List
The following ingredients are listed.
MEQUINOL

Pennsylvania "Right To Know" List
The following ingredients are listed.
MEQUINOL

International Inventories

EU - EINECS/ELINCS
The following ingredients are listed.
ACETOACETOXYETHYL METHACRYLATE
MEQUINOL

Canada – DSL/NDSL
The following ingredients are listed.
ACETOACETOXYETHYL METHACRYLATE
MEQUINOL

US - TSCA
The following ingredients are listed.
ACETOACETOXYETHYL METHACRYLATE
MEQUINOL
TOKUYAMA REBASE II Liquid

US – TSCA 12(b) Export Notification
None of the ingredients are listed.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>08/28/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>3</td>
</tr>
</tbody>
</table>

Disclaimer

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